IV. Database Services

TAB

IV. Database Services - Introduction

This section provides information related to database services which are available to the CLEC. Within the information package for each service are the specifics regarding the method for ordering.

LINE INFORMATION DATABASE (LIDB)
CLEC INFORMATION PACKAGE

1. LIDB Storage Description

A. Basic Service Description

Line Information Data Base (LIDB) storage provides screening validation on billed-to-third, collect, and calling cards calls on **billing number records** for CLECs with a signed LIDB Storage Agreement . CLECs will provide its billing number records information to BST's LIDB for the initial loading (if applicable), and daily updates each business day by a method agreed upon by both companies. The CLEC will arrange and pay for transportation of their updates to the BST's LIDB.

B. Basic Service Capabilities and Restrictions

1. Billed Number Screening

- Verify
- Billed-To-Third
- Collect
- Deny

2. Calling Cards

- Restricted
- Unrestricted

C. How Does This Service Work?

1. Billed Number Screening

- Verify - Accept both billed-to-third and collect calls
- Billed-To-Third - Accept collect calls, Deny all billed-to-third calls
- Collect - Accept billed-to-third calls, Deny all collect calls
- Deny - Deny all billed-to-third and collect calls

2. Calling Cards

- There are two types of calling cards:
  a. Restricted - Can only call telephone number on the card
  b. Unrestricted - Can call any number
- Calling card must have a four digit PIN for each card type
- Only one restricted and/or one unrestricted PIN allowed per Telephone number

LINE INFORMATION DATA BASE (LIDB) (continued)

D. Feature Interaction

Not Applicable to LIDB

2. INSTALLATION INTERVALS

Not Applicable to LIDB Storage

3. SERVICE INQUIRY & ORDERING GUIDELINES

A. Information Required

- A separate LIDB storage agreement must be signed by CLEC. CLEC must check boxes at the bottom of the BellSouth Master Account Application, indicating they have received details concerning BellSouth's LIDB, also indicate whether or not the a LIDB contract has been signed. LCSC **must** be notified of the CLEC's disposition.

B. Source of Information

LIDB storage agreement is handled by the CLEC representative, Account Team and Operator Services.

4. CUSTOMER EDUCATION

Customer Education for LIDB is available upon request from CLEC Account Team.

LIDB VALIDATION SERVICE
CLEC INFORMATION PACKAGE

Description

Line Information DataBase (LIDB) is a CCS-SS7 database system designed to provide for validation of calling card and other billing information stored in LIDB.

Application

The purpose of offering LIDB access service is to provide validation for operator assisted calls such as:

- Calling Card
- Collect
- Third Number Billing

LIDB service transport queries and responses to and from a customer's Signaling Point of Interface (SPOI) and BellSouth's LIDB.

Access Order Requirements

Customers requesting LIDB access service must currently order service from BST's FCC No. 1 tariff.

To Provide LIDB service, transport must be ordered via Signaling Link Connections (Links) to the Signaling Transfer Point (STP).

Regional STPs are located in:

Atlanta, Georgia	RSTP CLLI = ATLNGAWD11W
Birmingham, Alabama	RSTP CLLI = BRHMALEN11W

Refer to the CCS-SS7 Signaling Connection section for Access Service ordering requirements.

LIDB VALIDATION SERVICE (continued)

Access Order Requirements (continued)

DataBase Services Form

Refer to the CCS-SS7 Signaling Link Connection (LINKS) section for requirements.

This form is the additional ordering vehicle to be used for ordering LIDB Validation Service. The completed form will be provided to the LCSC by the Account Team.

The form will contain the Originating Point Codes (OPCs) which identifies the customer's (Query Originator's) Operator Switching System from which queries are launched.

Service Specific Billing

Billing of LIDB access service is rendered against ancillary ("A") accounts for Alabama and Georgia for the first bill period of the month. Bills are mailed from Comptroller Billing Services and consist of the following:

- LIDB Validation Charge
  Provides for query of the data resident in BST's LIDB, and is applicable each time a customer requests and receives validation of data.

  This charge is billed on a "per message" basis.

- LIDB Common Transport Charge
  Provides for transport of the customer's query from the RSTP to the Signaling Control Point (SCP), and is applicable each time a customer requests and receives validation of data.

  This charge is billed on a "per message" basis.

- Originating Point Code Establishment or Change Charge
  This charge is billed "per point code" established or changed.

Specific rates applicable for LIDB service are found in Section E19.1 of the state's 'E' tariff.

DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)
CLEC INFORMATION PACKAGE

1. Service Description

A. - Basic Service Features

DADS provides a customer with the right to use BellSouth's subscriber listing information (listed names, addresses, telephone numbers) solely for setting up its own directory assistance type services. Non published listings and listings that are requested to be omitted by BellSouth customers are not provided. Other local exchange company subscriber listings are not provided unless a contract is in effect between BellSouth and the local exchange company to do so.

B. - Basic Service Capabilities and Restrictions

DADS provides a customer with the right to use BellSouth's subscriber listing information (listed names, addresses, telephone numbers) solely for setting up its own directory assistance type services. Non published listings and listings that are requested to be omitted by BellSouth customers are not provided. Other local exchange company subscriber listings are not provided unless a contract is in effect between BellSouth and the local exchange company to do so.

BellSouth will provide customer with an initial base file extract and daily update files of all eligible listings in a BellSouth format and delivered via magnetic tape. The daily update files will contain all listing change activity occurring since the customer's most recent update and will begin after creation of the base file. The subscriber listing information will be provided to the customer as collected from BellSouth end user service orders. BellSouth will provide customer with record layout and magnetic tape specifications upon request. Daily updates may be accumulated and provided weekly on magnetic tape at the request of the customer.

Customer may only use DADS for setting up a directory assistance type service. Customer may not use DADS for telemarketing purposes, to create marketing or mailing lists, or to create or publish telephone directories. Customer may not reproduce, license, rent, or resell DADS for any purpose. Ownership of and title to the DADS data will remain with BellSouth. Customer may order residential and/or business listings by NPA and/or NPA-NXX.

C. - How Does This Service Work

DADS provides a customer the right to use BellSouth's subscriber listing information solely for the purpose of establishing its own directory assistance type service. The customer receives an initial base file and daily or weekly updates. The customer designs his own directory assistance type service and makes available directory listing information to their end user.

D. - Feature Interaction - (Not applicable)

DIRECTORY ASSISTANCE DATABASE SERVICE (DADS) (continued)

2. Installation Intervals

Normal Installation intervals YES X NO_____
Installation interval is one month from the date the order is placed.

Project Coordination Required YES X NO _____

3. Service Inquiry and Ordering Guidelines

A. - Information Required

Ordering of the service is accomplished via Operator Services Wholesale product management, Interconnection Services and Industry Relations account teams. No sales compensation is provided. The DADS ASR-like application will be prepared by Operator Services personnel and forwarded to the appropriate LCSC group to input the service order.

B. - Source of Information

Will be provided as part of general contract with CLECS for all BellSouth services requested, absent any state PSC requirements to tariff the service. To be negotiated and administered by BellSouth Interconnection/Operator Services.

4. Customer Education

A. - Availability of Material
Customer Training Guide available via Operator Services, Product Management.

B. - Training Availability - Not Applicable

C. - How To Order
The CLEC should contact their Account Team. A Customer Guide/Training Information package is mailed to the customer. The customers completes the application in the Customer Training Guide and forwards it to the Wholesale Product Manager. An interval of thirty days is required from receipt of the application to establish service. The Wholesale Product Manager forwards the appropriate forms to the LCSC and other CLEC teams for review as appropriate.

Calling Name Query Service (Non-Database Owner)
CLEC Information Package

1. Service Description

A. Basic Service features: This service provides a method for companies selling Calling Name Delivery (using the technology defined in Bellcore Technical Reference 1188) to store and query, in response to an incoming call to a CNAM customer, the names of their customers. Also included is the ability to query, in response to an incoming call to a CNAM customer, for all other names available to BellSouth (BST) under contracts BellSouth may have with other database providers and/or other companies that store their names in the BellSouth CNAM database. This service requires the purchasing company to allow access to their names that are stored in the BST CNAM database by all other companies that contract with BST for this service (either by storing their names in the BST CNAM database or via contract between BST and another database provider). Responses to queries will be returned by BST using TR 1188 standards.

B. Basic Service Capabilities and Restrictions: Included as parts of this service are the following items: STP translations required to route queries to the appropriate database (either as intermediate Global Translations alone or a combination of intermediate and final Global Translations); lookup of a TR 1188 formatted calling party name (fifteen character maximum) from the BST CNAM Database; formatting of a TR 1188 response message containing the necessary routing information and the appropriate response from the BST CNAM Database; STP translations required to route the response message to the querying end office; BST Service Management System (SMS) administration of the stored names; a method of input (BST offers three methods) into the BST SMS of calling party names; transport of queries and responses via SS7 within the BST SS7 Network and between the BST SS7 Network and other CNAM Database providers; and access to the BST City/State tables for calling party numbers with no names available to BST. **Access to BST names must be on a reciprical basis, i.e. in order for a CLEC to access the BST names, BST must be able to access the CLEC names.**

C. How Does This Service Work: The CLEC must have end offices capable of sending and receiving CNAM query/response SS7 messages in the TR1188 TCAP format. Queries are launched into the BST SS7 Network via SS7 links. (SS7 links are purchased through the SS7 Interconnection Tariffs.) Responses are returned via SS7 links. CLEC names can be placed in the BST CNAM database via one of three methods, Network Data Mover (NDM), File Transer System (FTS), or Character Based User Interface (CHUI). NDM and FTS are both methods that are currently used by other companies to send data to the BST main frame computer. This access is purchased under separate agreements for each. CHUI is a PC based dial-up arrangement used for smaller size files. A PC type communications package is required at the CLEC and a secure access card must be ordered through BST to provide security. File content is the same for all three entry types, all names must be no more than fifteen characters long. Details are provided in

the implementation package provided to the account teams and/or in ordering proceedures already inplace for items ordered out of existing proceedures (e.g. NDM).

Calling Name Query Service (Non-Database Owner) (continued)

D. Feature Interaction: All feature interaction is at switch level and is controlled by the CLEC switch.

2. Installation Intervals:

Normal Installation Intervals	YES___ NO_X__
Project Coordination Required	YES_X_ NO___

3. Service Inquiry & Ordering Guidelines:

A. Information required: Name of interconnecting company, operating company number, method of name data transmission, NPA/NXXs to be served, point codes for all involved offices, requested service and test dates, single point of contact, LATAs included in service area, signalling point CLLI, test names and numbers.

B. Source of Information: Furnished by CLEC via CNAM Interconnection Data Sheets.

C. Forms: Included in Calling Name Delivery Service Implementation Package.

4. Customer Education:

A. Availability of Material: Information included in Calling Name Delivery Service Implementation Package (available from Account Team once a contract has been signed).

B. Training Availability: CLEC Training Sessions (obtain dates from Account Team).

C. How To Order: Obtain from Account Team once a contract has been signed.

800 DATABASE SERVICE
CLEC INFORMATION PACKAGE

I. Market Service Description:

A. Basic Service Features: This service is provided under two scenarios: one in which the customer is SSP (Service Switching Point) equipped and requires access to the SCP (Service Control Point) database to obtain routing information, and one in which the customer is not SSP equipped and therefore requires both routing information and subsequent routing of the call. In either case, identification and routing of 8XX dialed calls is based on the full ten digits dialed (8XX-NXX-XXXX).

B. Basic Service Capabilities: Under scenario one, for the SSP-equipped customer, BST receives the query and sends it to the SCP, which responds with the appropriate routing information. Call completion is carried out by the customer's network. Under scenario two, in which the customer's network is not SSP equipped, BST network receives the call, typically over a Feature Group D trunk group, and launches a query to the SCP, which responds with routing information. BST network then routes the call to the appropriate carrier or telephone number. In both scenarios, carrier or telephone number identification is based on the ten digits of the dialed number. Customers must designate carriers for both interLATA and intraLATA transport. Where intraLATA competition is permitted, the same carrier can provide both.

The basic 800 Database UNE includes optional features such as time of day, day of week or specific date routing, multiple carrier routing, customized area of service, and POTS number delivery.

C. Pricing Structure and Description: The recurring charge for TFD/8XX database queries is based on the cost of an individual database query and response. There is no non-recurring charge. For each successful 8XX number lookup performed, a query charge is tallied for billing. Under scenario two, when the call is completed over Feature Group D trunks, FGD access rates apply.

The query charge is to be billed to the network from which the query was received. In scenario two, when the call is routed to an IXC, it is assumed that the originating network will in turn bill a query charge to the carrier to whom the call is delivered.

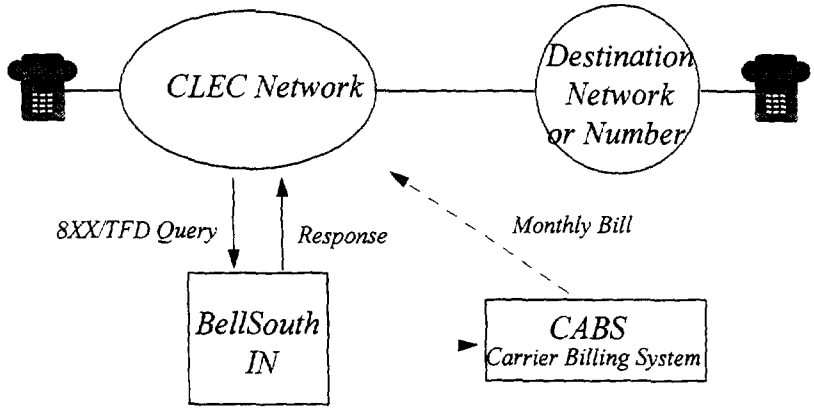
D. Deployment Schedule: The equivalent capability, tariffed as TFD/8XX ATDS, is presently deployed regionwide.

E. Distribution Channels: Uses Interconnection Services sales channels. Uses Access Service Request (ASR) process.

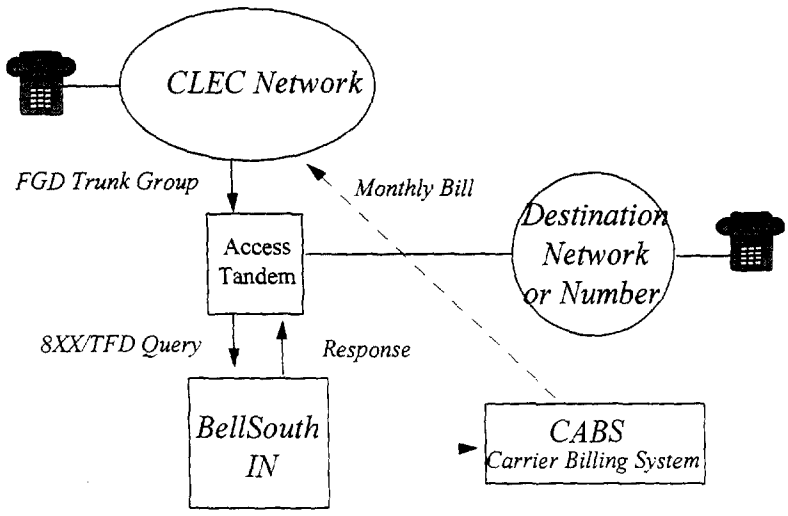
II. Network Architecture:

A. Physical Network Configuration:

(1) Switching capability to identify and trigger on 8XX calls exists.
(2) Existing SS7 signaling required.
(3) Recording capability for aggregated billing exists.
(4) No transport involved. TFD/8XX calls are generally routed to FGD trunks, which are not included in this UNE.



800 Database UNE
Call & Billing Flow
Scenario 1, Customer with SSP



800 Database UNE
Call & Billing Flow
Scenario 2, Customer without SSP

III. Ordering

A. Ordering Standards and Order Reception Standards

Ordering standards have been established and are contained in the Access Services Ordering Guidelines (ASOG) published by Bell Communications Research and the Local Interconnection and Facility Based Ordering Guide published by BellSouth.

B. Ordering Process

Completed ASR should be forwarded to the LCSC via facsimile. Electronic interfaces are available. Interested CLECs should contact their Account Team for details.

Unbundled Loop Services

V. Unbundled Loop Services

TAB

V. Unbundled Loop Services - Introduction

This section provides information on loop services available to the CLEC. All services included in this section are ordered by completing the Local Service Request Form (LSR), the End User Information Form (EU) and the Loop Service Form and forwarding to the LCSC. The Directory Listing Request Form (DLR) may also be required. The industry standard forms with BellSouth specific instructions are included in the "Local Service Request Ordering Process" section of the ordering guides.

Unbundled Digital Loops
CLEC Information Package

1. Service Description

A. Basic Service Features

The UDL will be a dedicated digital transmission facility from BST's MDF to a customer's premises. This facility will allow the end user to send and receive traffic that utilize technologies such ISDN; Enhanced Electronic (EE) capabilities such as HDSL/ADSL; and high capacity services such as DS-1 when the loop is connected to the proper packet/circuit switch. This facility will include a Network Interface Device (NID) at the customer's location for the purpose of connecting the loop to the customer's inside wire. The UDLs can be configured as 2-wire ISDN (2W/I); 2-wire Enhanced Electronics (2W/EE); 4-wire DS1 & ISDN (4W/DI) or 4-wire Enhanced Electronics (4W/EE) facilities. It should be noted that on the 2W/EE and 4W/EE that BST does not provide the Enhanced Electronics.

B. Basic Service Capabilities

It is expected that the UDLs will primarily be terminated (at the central office) in one of three ways:

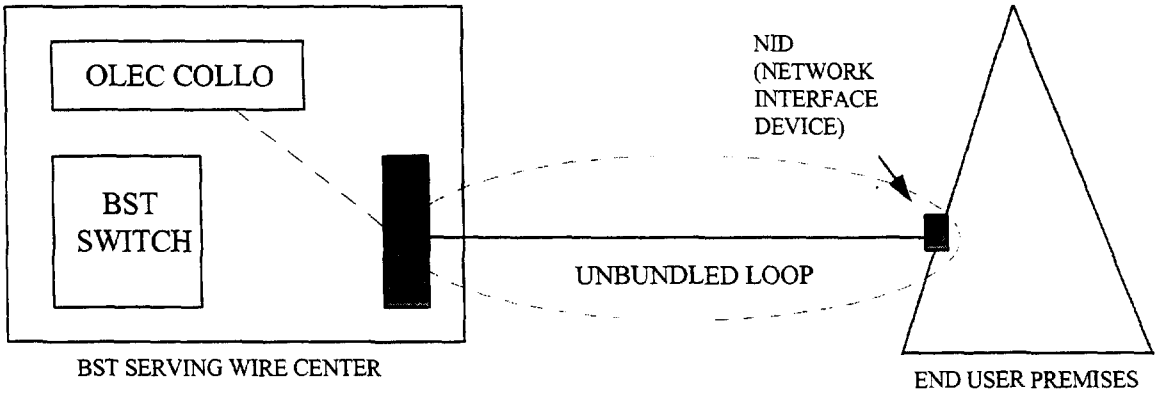
1. They will be delivered to the CLEC at their collocation space via a cross-connect. This cross-connect element will be provisioned out of the Collocation offering.

2. They will be terminated onto a multiplexing device and then the multiplexed/concentrated circuit would then be delivered to the CLEC's collocation space in a similar manner as listed in #1 above or the circuits would be delivered to BST's interoffice transport facilities for delivery to the CLEC.

3. They may be terminated onto a line port of BST's central office or packet switched network. In this scenario, the CLEC would also have to purchase, from BST, the Unbundled Packet Switching (UPS) or Unbundled ISDN Port along with the other functionality needed to provide the desired service to the end user. Therefore, the UDL would draw its functionality from BST's switch.[1]

2W/EE and 4W/EE circuits can only be provided according to method number one described above. The CLEC must be collocated in the same serving wire center where the loop terminates on the MDF.

C. How Does This Service Work



[1] If an CLEC desires to connect a BST provided loop to a BST switch (UCS or UPS), the provision of such an arrangement will fall under rules applicable to resale of BST's retail services.

Unbundled Digital Loops (continued)

BST will initially offer one service level on UDLs. Service Level One (SL1) will be a designed circuit and BST will provide a Design Layout Record (DLR). BST will issue a Firm Order Confirmation ("FOC") and a DLR to the ordering party within 5 business days after receipt of the service request forms, upon review of and in response to the ordering party's service request, to begin the provisioning process.

It is expected that the CLEC would test the circuit and if they isolate and identify a problem within the BST provided loop, they would report any repair issues to BST for resolution. At that point, BST will perform the tests and work required to put the loop into proper working condition. BST will bill the CLEC for the time and material required to verify the loops working status (if no repair problem on the loop actually existed). BST will perform order coordination activities associated with Remote Call Forwarding and/or disconnect orders. BST and the CLEC will mutually agree on the appropriate conversion time and BST will the perform the work within the negotiated interval. This activity will be included in the price of the loop. However, if the CLEC requires a specific conversion time, BST will make every effort to accommodate the CLEC request. If the request can be accommodated, BST will bill the CLEC a non-recurring charge (EO135) associated with this activity. Overtime rates apply for work outside of 8:00 am to 5:00 p.m. local time.

If the CLEC's end user has existing service with BST that utilizes a digital quality loop, and wants to change local service providers, BST will attempt to reuse the end user's existing loop.

If needed, BST will dispatch a technician during the installation process for the purpose of tagging the UDL.

HDSL-capable Loops:
This channel is not available when DLC is employed. At the CLEC s request, either a 2-wire or 4-wire channel will be provided. The signal applied at either interface shall meet the following specifications:

The average signal power shall not exceed +15.0 dBm across 100 Ohms.
The Power Spectral Density shall not exceed -35 dBm/Hz at any frequency.

The loop facility consists of only metallic facilities. The insertion loss, measured between 100 W terminations at 200 kHz, should be less than 48 dB. The dc resistance of a single wire pair should not exceed 1100 Ohms.

Optional Data Over Voice:
If facilities permit, Data Over Voice (DOV) may be used on the Basic Unbundled Loop. This option is not available when either loaded cable or DLC is employed. No specifications, other than for voiceband performance, are supported. Special charges may be involved for the determination of the suitability of a particular loop for this application.

If DOV is employed, crosstalk into other cable facilities is a concern. Accordingly, the ALEC is responsible for limiting the Power Spectral Density (PSD) of the signal, transmitted at both the NI and at the ALEC termination. The PSD shall be limited to that specified in Clause 6.13 of ANSI T1.413 - Telecommunications - Network and Customer Installation Interfaces - Asymmetric Digital Subscriber Line (ADSL) Metallic Interface.